



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010503
CERTIFICATION DATE: November 13, 2013
DATE RECERTIFICATION DUE: May 12, 2014

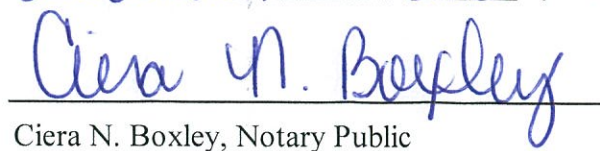
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

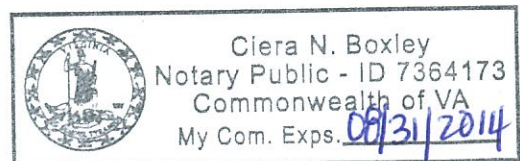
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of December, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



DBH
NLL

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/19/2013**

Instrument Serial Number: 010503

As of 19-Nov-13

Maintenance Date	Certification Date	Technician Initials	Remarks
13-Nov-13	13-Nov-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
29-May-13	29-May-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
13-Dec-12	13-Dec-12	DBH (21250)	CERTIFIED.
03-Jul-12	03-Jul-12	TLN (25387)	CERTIFIED
18-Jan-12	18-Jan-12	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
27-Jul-11	27-Jul-11	DBH (21250)	CERTIFIED
01-Feb-11	01-Feb-11	RJP (22428)	CERTIFIED.
17-Aug-10	17-Aug-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
01-Mar-10	01-Mar-10	RJP (22428)	CERTIFIED
23-Sep-09	23-Sep-09	RJP (22428)	REPLACED PRINTER. CERTIFIED.
10-Apr-09	10-Apr-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
18-Nov-08	18-Nov-08	RJP (22428)	CERTIFIED.
25-Oct-08	25-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
msl

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010503 Worksheet Start Date 11/13/2013
Location Albemarle County Regional Jail
Address 160 Peregrory Ln Charlottesville VA 22902
DFS Technician Donald Hall License No. 21250
☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.
E-Seek
Keyboard
Printer
UPS

New serial no.

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

100
100
50

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010503

Certification Date 11/13/2013

Instrument Barometer (mm HG) 756

Reference Barometer (mm HG) 758

Reference Barometer(RB)Serial # 009109

RB Calibration Due 8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.245
0.250	0.248	0.240	0.255	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.245
0		0.245	0.245		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.148
0.150	0.149	0.144	0.153	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.147
0.001		0.147	0.148		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.079
0.001		0.079	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG230501-35

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.099	0.096	0.102	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

DFS Technician

Donald B Hall

Date

11/19/13

Issuing Analyst

Mehra Kennedy

Date

11/24/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2

DBH
MGL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/13/2013
TEST EQUIPMENT NUMBER 010503		

RESULTS: TIME SAMPLE TAKEN **13:46 EST**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:12

DBA

WBL

Test Results

Instrument Serial Number 010503

Test # 001141 Subject Test

Test Location 1 Department of
Test Date 13 Nov 2013

Test Location 2 Forensic Science
Test Time 13:40
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 13 Nov 2013 End Time 13:47

Result Time 13:46

Result Date 13 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:40

Data Type BLK

Sample Value 0.000

Sample Time 13:41

Data Type CHK

Sample Value 0.100

Sample Time 13:41

Data Type BLK

Sample Value 0.000

Sample Time 13:42

Data Type SUBJ

Sample Value 0.000

Sample Time 13:43

Data Type BLK

Sample Value 0.000

Sample Time 13:44

Data Type SUBJ

Sample Value 0.000

Sample Time 13:46

Data Type BLK

Sample Value 0.000

Sample Time 13:47

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG230501-35

Standard Expiration Date 10/31/2014

Tank Pressure 914

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.86 sec

Blow Volume 2159 cc End-of-Blow Time 13:43

Blow Sample Number 2 Blow Duration 3.55 sec

Blow Volume 1904 cc End-of-Blow Time 13:46

Tamper Evident Stamp 49d90f57

Test Status Code 0

Test Status Success

DSH

Intox EC/IR-II: Accuracy Check

MSL

Department of Forensic Science

Serial Number: 010503 Test Number: 1142

Test Date: 11/13/2013 Test Time: 13:49 EST

Dry Gas Target: 0.100

Lot Number: AG230501-35 Exp Date: 10/31/2014

Tank Pressure: 909 psi Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:50
CHK	0.100	13:51
BLK	0.000	13:52
CHK	0.100	13:53
BLK	0.000	13:54
CHK	0.100	13:55

Test Status: *Success*

Calibration CRC: F1C8DF21

DBH

ask

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010503 Test Number: 1143

Test Date: 11/13/2013 Test Time: 13:59 EST

Dry Gas Target: 0.298

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 105 psi Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:59
CHK	0.298	14:00
BLK	0.000	14:02
CHK	0.298	14:02
BLK	0.000	14:04
CHK	0.297	14:04

Test Status: *Success*

Calibration CRC: F1C8DF21

DBH

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010503

System Date: 11/13/2013

System Time: 14:34 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

NSH

DBH

MLK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010503 Test Number: 1144

Test Date: 11/13/2013 Test Time: 14:35 EST

Dry Gas Target: 0.099

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 379 psi Barometric Pressure: 755 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:35
CAL	0.099	14:36

Test Status: *Success*

Calibration CRC: 350E2E5B

DBH

MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010503 Test Number: 1145
Test Date: 11/13/2013 Test Time: 14:40 EST

Technician Initials: DBH

Dry Gas Target: 0.248

Lot Number: 29612250I2-10 Exp Date: 11/01/2014

Tank Pressure: 144 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:40
BLK	0.000	14:41
CHK	0.245	14:42
BLK	0.000	14:43
CHK	0.245	14:44
BLK	0.000	14:45
CHK	0.245	14:47
BLK	0.000	14:48

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

NDL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010503 Test Number: 1146
Test Date: 11/13/2013 Test Time: 14:51 EST

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 674 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:51
BLK	0.000	14:52
CHK	0.148	14:53
BLK	0.000	14:54
CHK	0.147	14:55
BLK	0.000	14:57
CHK	0.147	14:57
BLK	0.000	14:59

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

MSK

Department of Forensic Science

Serial Number: 010503 Test Number: 1147
Test Date: 11/13/2013 Test Time: 15:01 EST

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 115 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:02
BLK	0.000	15:02
CHK	0.080	15:03
BLK	0.000	15:04
CHK	0.080	15:05
BLK	0.000	15:06
CHK	0.079	15:07
BLK	0.000	15:08

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

MX

Department of Forensic Science

Serial Number: 010503 Test Number: 1148
Test Date: 11/13/2013 Test Time: 15:12 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 982 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:12
BLK	0.000	15:13
CHK	0.019	15:14
BLK	0.000	15:15
CHK	0.019	15:15
BLK	0.000	15:17
CHK	0.019	15:17
BLK	0.000	15:19

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010503 Test Number: 1149

Test Date: 11/13/2013 Test Time: 15:22 EST

Dry Gas Target: 0.298

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 100 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:23
CHK	0.299	15:23
BLK	0.000	15:25
CHK	0.298	15:26
BLK	0.000	15:28
CHK	0.298	15:29

Test Status: Success

Calibration CRC: 350E2E5B

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010503 Test Number: 1150

Test Date: 11/13/2013 Test Time: 15:32 EST

Dry Gas Target: 0.099

Lot Number: AG230501-35 Exp Date: 10/31/2014

Tank Pressure: 889 psi Barometric Pressure: 755 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:33
CHK	0.099	15:34
BLK	0.000	15:35
CHK	0.099	15:36
BLK	0.000	15:38
CHK	0.099	15:38

Test Status: *Success*

Calibration CRC: 350E2E5B

DBH

NSH




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/13/2013
TEST EQUIPMENT NUMBER 010503		

RESULTS: TIME SAMPLE TAKEN 15:48 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Nov 2013 at 12:11

DBH

MSK

Test Results

Instrument Serial Number 010503

Test # 001151 Subject Test

Test Location 1 Department of
Test Date 13 Nov 2013

Test Location 2 Forensic Science
Test Time 15:42
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 13 Nov 2013 End Time 15:49

Result Time 15:48

Result Date 13 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:42

Data Type BLK

Sample Value 0.000

Sample Time 15:43

Data Type CHK

Sample Value 0.099

Sample Time 15:43

Data Type BLK

Sample Value 0.000

Sample Time 15:45

Data Type SUBJ

Sample Value 0.000

Sample Time 15:45

Data Type BLK

Sample Value 0.000

Sample Time 15:46

Data Type SUBJ

Sample Value 0.000

Sample Time 15:48

Data Type BLK

Sample Value 0.000

Sample Time 15:49

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG230501-35

Standard Expiration Date 10/31/2014

Tank Pressure 884

Barometric Pressure 755 mmHg

Blow Sample Number 1 Blow Duration 3.53 sec

Blow Volume 1935 cc End-of-Blow Time 15:45

Blow Sample Number 2 Blow Duration 3.55 sec

Blow Volume 1871 cc End-of-Blow Time 15:48

Tamper Evident Stamp 1c56a47b

Test Status Code 0

Test Status Success